

PRECIPITATION.

The distribution of rain and snow during the month is represented on chart No. III. A comparison of the average rain-fall for many years shows that an excess has fallen on the coast of the South Atlantic States, Indian Territory, the Upper Mississippi and Lower Ohio valleys. Small regions of deficiency are reported from Mississippi, the neighborhood of New York city and southern New England. In June, 1873, there was a decided excess throughout Tennessee and the Gulf States, in the eastern portions of South Carolina and also in the Ohio valley and the Northwest. In June, 1874, the regions of excess were the St. Lawrence valley, Eastern Gulf States, Upper Lake region, and especially Minnesota. In June, 1875 the regions of excess were New England, the Upper Mississippi valley, the Pacific coast, and especially the Lower Missouri and Ohio valleys. The rain-fall at Mt. Washington was 9.32 in., and at Pike's Peak 2.88 in.; the greater part of the latter was snow.

Rainy Days.—The number of days on which rain fell, as reported by the Signal Service Observers, was, at the Atlantic coast stations from Norfolk to Wood's Hole, from 4 to 13. In New England, from 10 to 12, except 19 at Boston. In the Lower Lake region, from 13 to 22. In the Upper Lake region, from 15 to 22. In the Upper Mississippi valley, from 10 to 18. In the Lower Missouri valley, from 12 to 20. In the Southwest, from 8 to 11. In the Eastern Gulf States, 7 to 11. In Tennessee and the Ohio valley, 14 to 20. South Atlantic States, 9 to 18.

Cloudy Days—as reported by voluntary observers, average 6 in the South Atlantic States, 8 in New England, 4 in the Gulf States, and 10 in the Northwest and Upper Lake region.

Cloudless Days.—At Clarksville, Texas, 6 cloudless days are reported.

Foggy Days.—Fog has prevailed to a large extent along the entire coast of Maine, and an unusual amount is also reported southward to New London. At Mt. Desert, Me., 19 foggy days are reported, and the morning of the 22nd was the first clear one for four weeks.

Heavy Rains.—Especially heavy rains have been reported as follows: On the 3rd, a high wind and cloud burst near Seneca Lake, N. Y., covered an area of 4 square miles to an estimated depth of 2 feet of water; 3rd, near Shelburne, N. H.; 8th, Syracuse, N. Y., 8 in. in 3½ hours; 10th, Corning, Mo.; 12th, Austin, Tex.; 12th to 17th, Lenoir and Asheville, N. C., over 6 in.; 13th, Burlingame, Kan., 5 in. in 36 hours; 16th, Gainesville, Ga., and for 100 miles E. and S., causing damages of \$1,000,000 and loss of 8 lives; 16th, Independence, Mo.; 16th and 17th, Mt. Solon, Va., 6 in.; 17th, Cumberland, Md., 3.30 in., Goldsboro, N. C., 5.60 in., Attaway Hill, N. C., 2 in. in 30 minutes, Lynchburg, Va., 2.50 in.; 18th, Nichols, N. Y., 2.85 in.; 19th, Utica, Wis.; 28th and 29th, Ringgold, Ohio, 3.25 in.; 29th, Baxter Springs, Kan., (from 5 a. m. 28th to 6 a. m. 29th,) 4.50 in.; 30th, Fort Larned, Kan., 1.14 in., Carbondale, Ill., 4.33 in.

Snows.—Snow is reported on the 1st at Fort Sanders, Wy. Ter.; 18th, Havana, Ill. and Independence, Iowa, and on the 30th at Pike's Peak.

Droughts.—At Newark, N. J., no rain fell from the 20th to close of month; 30th, at Freehold, N. J., corn was suffering; Ardenia, N. Y., latter part of month dry, and rain needed; North Hammond, N. Y., month dry, rain needed; Stapleton, N. Y., no rain during last ten days; Flushing, N. Y., month dry and hot; Palermo, N. Y., vegetation suffering for rain on the 7th; in the neighborhood of Dodge City, Kan., and Breckenridge, Minn., drought experienced during the former half of the month.

Hail-storms were reported as follows: 1st Iowa City, Iowa; 3rd, Belmont Farm, Tex.; 4th, Oneida, N. Y.; 7th, Wabash, Ind.; 11th, Morristown, Penn.; Northport, Mich.; 12th, near Indianapolis, Ind.; 16th, Milledgeville, Ky.; 17th, near Wabash, Ind.; 18th, Kenton, Ohio; 20th, Prospect Hill, Va., Ringgold, Ohio, Canton N. Y., Muskogee, Ill.; 22nd, near Columbiana, Ala., Laconia, Ind., and Keokuk, Iowa; 23rd, Lancaster, Ohio; 25th South Hartford, N. Y., Mendon and Fall River, Mass.; 26th, near Independence, Iowa, and Southington, Conn. At Pike's Peak the principal hail-storms were on the 19th, 27th, 28th, 29th, 30th,

RELATIVE HUMIDITY.

The relative humidity, as reported from the Signal Service stations, averages from 70 to 75 per cent. in the South Atlantic States, from 70 to 74 in New England, from 71 to 77 in the Upper Mississippi valley and the Upper Lake region, from 62 to 67 in the interior of the Middle States, from 64 to 67 in the Ohio valley, from 70 to 71 in Texas and from 71 to 83 on the Middle Atlantic coast. The highest average for the month is 88 at Mt. Washington. The lowest at the sea-coast stations is 64 at Norfolk. At the Rocky Mountain stations the averages, uncorrected for altitude, are 33 at Salt Lake City, 37 at Denver, 39 at Cheyenne, 43 at Colorado Springs, 47 at Santa Fe, and 64 at Pike's Peak.